CURRICULUM VITAE

Dr.R.RAGUMADHAVAN.   ✉ **Mail id: raguece85@gmail.com.**
☎ **Mobile   : 8883120850,7010912411.**

CARRIER OBJECTIVE:

To achieve a position that allows me to expand my knowledge, contribute to creative solutions for the advancement of the organization, and prove my experience.

EDUCATIONAL QUALIFICATION:

Name of college/Institution	Year	Board	Percentage
Ph.D. (INFORMATION AND COMMUNICATION ENGINEERING) [Anna University, Chennai]	2017-2022	Anna University, Chennai	-
M.E (APPLIED ELECTRONICS) [Paavai Engineering College, Namakkal]	2009-2011	Anna University of Technology, Coimbatore	8.45 (CGPA)
B.E(ECE) [Syed Ammal Engineering College, Ramanathapuram]	2004-2007	Anna University, Chennai	74%
DIPLOMA (ECE) [Sri Muthalamman Polytechnic College, Paramakudi]	2000-2003	DOTE	80%
SSLC [A.V.Hr.Secondary School, Paramakudi]	2000	State Board	65.6%

PH.D. THESIS TITLE:

❖ Automated Early Diagnosis of Melanoma Using Machine and Deep Learning Techniques.

PG & UG PROJECT TITLES:

❖ VLSI Implementation of Mini RISC Core in M.E.

❖ Intelligent BP Sensing System in B.E.

EXPERIENCE:

❖ Worked as a production engineer for 1 year in the UPS manufacturing industry.

❖ Worked as a Lecturer for 1.4 years at Kumaraswamy College of Engineering, Karur.

❖ Worked as an Assistant Professor for 1.6 years at Selvam College of Technology, Namakkal.

❖ Working as an Assistant Professor for 12 years at PSNA College of Engineering, Dindigul.

ADDITIONAL RESPONSIBILITIES:

- ❖ Microprocessor and microcontroller lab in charge at M. Kumarasamy College of Engineering and Technology from 2007 - 2009.
- ❖ Class Advisor at M. Kumarasamy College of Engineering and Technology from 2007 - 2009.
- ❖ Acted as a Head - Hostel incharge at Selvam College of Technology from 2011-2013.
- ❖ Constructed the microwave lab at Selvam College of Technology, Namakkal.
- ❖ Microwave Lab in charge at Selvam College of Technology, Namakkal from 2011-2013.
- ❖ College overall furniture in-charge at Selvam College of Technology, Namakkal.
- ❖ Department furniture incharge at PSNA College of Engineering and Technology, Dindigul.
- ❖ Head – Anna University web portal Mark entry team for the Third year. And team member for the past 10 years.
- ❖ Result analysis incharge for final year batch students.
- ❖ Department Timetable team member.
- ❖ NAAC Criteria 2 team member.
- ❖ NBA P-15 file incharge.
- ❖ Tutor incharge at PSNA College of Engineering and Technology, Dindigul.
- ❖ Discipline committee member for department and college functions.

SUBJECTS HANDLED:

- ❖ Microcontrollers & Microprocessors.
- ❖ Ad hoc and wireless sensor Networks.
- ❖ VLSI Design.
- ❖ Wireless networks.
- ❖ Wireless communication.
- ❖ Electronic Circuits – I.
- ❖ Digital Electronics.
- ❖ Digital Principles and System Design.
- ❖ High-speed Networks.
- ❖ Satellite communication.
- ❖ Transmission Lines and Wave Guides.

- ❖ Measurements and Instrumentation.
- ❖ Circuit Theory.
- ❖ Microcontroller and RISC Architecture.
- ❖ Microwave Engineering.

INTERNATIONAL JOURNAL PUBLICATIONS:

- ❖ G. Rohini, R. Ragumadhavan, G. Bhavani, V.Venkatesan, P Joel Josephson, Kamal Alaskar," Setpoint Tracking and Disturbance Rejection in Automobile using Predictive Controller", IEEE conference proceedings, 2022, pp: 212-218 ((DOI: 10.1109/ICOSEC54921.2022.9951942).

- ❖ R Ragumadhavan, KR Aravind Britto, R Vimala," Melanoma Skin Cancer Detection Using Wavelet Transform and Local Ternary Pattern", Journal of Medical Imaging and Health Informatics, 2022, Vol 12, issue 1, pp. 15-19 (DOI: https://doi.org/10.1166/jmihi.2022.3856)

- ❖ RS Karthic, R Ragumadhavan, KR Aravind Britto, R Vimala, M Arivalagan," Time-interleaved digitisation systems for time of flight mass spectrometry: a review", World Review of Science, Technology and Sustainable Development, 2022, Vol. 18, No. 1, pp 59-73 (https://doi.org/10.1504/WRSTSD.2022.119328)

- ❖ R.Ragumadhavan Dr.L.Malliga, S.Karthick, Dr. Seetharam Khetavath," HighSpeed Systolic Architecture 2-D Forward Lifting DWT IC for Analysis of Covid X-Ray Images", Turkish Online Journal of Qualitative Inquiry, 2021, Vol. 12, No. 10, pp 849-860

- ❖ R Ragumadhavan, N Thenmoezhi, A Lakshmi, K R Aravind Britto," Multiple input and multiple output ofdm for visible light communication", Journal of Physics: Conference Series, 2021, VOL1717, NO 1, pp 20-65 (https://doi.org/10.1088/1742-6596/1717/1/012065)

- ❖ R. Ragumadhavan, P. Karthikeyan, M. Arivalagan, J. Joseph Durai Selvam, K. R. Aravind Britto" Automated Diagnosis of Melanoma from Dermoscopic Images using Convolution Neural Network", International Journal of Emerging Trends in

Engineering Research, 2020, VOL 8, NO 9, pp 6063-6067 (https://doi.org/10.30534/ijeter/2020/189892020)

❖ P.Parthasarathy, R.Ragumadhavan, R.S.Karthic, S.Vijayprasath," Labview Based Analysis On Electronic Intravenous Drip & Hr Monitoring System", International Journal of Scientific & Technology Research, VOL 8, NO 11, pp 1677-1679

❖ S. Saravanan, R.S.Karthic, R.Ragumadhavan, "A Web-Based Security Threats And Attacks: A Literature Review", International Journal of Pure and Applied Mathematics, 2018, Volume 119, issue 15, pp 45-51

❖ S. Gopalakrishnan, S. Jaganath, P. Parthasarathy, P. Jesu Jairin and R. Ragumadhavan," Cluster based Secure Performance on Mobile Ad-hoc network using Zone Routing protocol", 2017, Advances In Natural And Applied Sciences. Vol 11, Issue 9, pp 134-150.

❖ R.Ragumadhavan, R.S.Karthic, S.Saravanan, "A Survey Of Implementing Smart Solar Power System Using Android With Arduino", International Research Journal Of Engineering And Technology, 2016, Vol 3, Issue 11, pp 1361-1363

❖ R.Ragumadhavan," A Novel Approach For Secured Node To Node Key Agreement In Wireless Sensor Networks", Journal Of Network Communications And Emerging Technologies, 2015, Vol 2, issue 1, pp 18-20

❖ R.Ragumadhavan, "A Survey Of Various Image Enhancement Technique", International Journal Of Advanced And Innovative Research, 2014, Vol 3, Issue 11, pp 386-388

❖ R.Ragumadhavan, "Dsp Architecture For Wireless Sensor Nodes Using Vlsi Technique", International Journal Of Engineering Sciences And Research Technology, 2014, Vol 3, Issue 2, pp 883-891

❖ R.Ragumadhavan, "Hardware Optmized Lattice Reduction Algorithm For Wimax/Lte Mimo Detection Using VLSI ", International Journal Of Computer Science And Mobile Computing, 2013, Vol 2, Issue 4, pp 146-154

CONFERENCE PUBLICATIONS:

❖ G. Rohini, R. Ragumadhavan, G. Bhavani, V.Venkatesan, P Joel Josephson, Kamal Alaskar," Setpoint Tracking and Disturbance Rejection in Automobile using Predictive Controller", IEEE conference proceedings, 2022, pp: 212-218 (SCOPUS, / DOI: 10.1109/ICOSEC54921.2022.9951942)

❖ R Ragumadhavan, N Thenmoezhi, A Lakshmi, K R Aravind Britto," Multiple input and multiple output ofdm for visible light communication", Recent Advances in Smart System Automation, Computing, and Communication, IFET College of Engineering, 2020, VOL1717, NO 1, pp 20-65 (https://doi.org/10.1088/1742-6596/1717/1/012065)

CITATION DETAILS:

	ALL	SINCE 2018
CITATIONS	6	5
H-INDEX	2	1

PATENT PUBLICATION:

❖ Dr. K.R.Aravind Britto, R. Ragumadhavan, Smart Notice Board Using IOT, Application number: 202141012048 A, Publication Date: 26/03/2021.

CERTIFICATION COURSES COMPLETED:

COURSERA COURSES:

❖ Fundamentals of Network Communication.
❖ AI For Everyone.
❖ Create Custom Layers in Keras.
❖ Deploy Models with TensorFlow Serving and Flask.
❖ Introduction to the Internet of Things and Embedded Systems.
❖ Data Science in Real Life.

MATLAB COURSES:

❖ MATLAB Onramp.
❖ Deep Learning Onramp.
❖ Machine Learning Onramp.

NPTEL COURSES:

- ❖ Satellite communication.
- ❖ Stress Management.

OTHERS:

- ❖ INTERNSHIP COURSE ON PYTHON, MACHINE LEARNING, AND DEEP LEARNING USING PYTHON BY PANTECH SOLUTIONS PVT LTD. (Doing in online mode)

COMPUTER PROFICIENCY:

Operating system: Windows 11, Windows 10.

Packages   : MS Office, Labview, Orcad, Xilinx, Multisim, MATLAB,

Tanner, Microwind

Languages   : C.

AREA OF INTEREST:

- ❖ Artificial intelligence, Medical Imaging.

- ❖ Microcontrollers & Microprocessors.

- ❖ Microwave Engineering.

ACHIEVEMENTS:

- ❖ FIRST PRIZE obtained in National Level Conference Organized by Annai Mathammal Shella Engineering College, Namakkal.

- ❖ THIRD PRIZE in a Speech competition conducted at Sri Muthalamman Polytechnic College.

- ❖ Achieved gold coin for Zonal level result (96%) in Measurement and Instrumentation at Kumarasamy College of Engineering in the year 2008.

- ❖ Achieved 100% results in measurement and instrumentation at Kumarasamy College of Engineering in the year of 2009.
- ❖ Above 80% of results have been produced in most of the subjects handled by me.

CO-CURRICULAR ACTIVITIES:

FDP, SEMINAR ORGANIZED AND ATTENDED:

	NUMBERS OF ATTENDED	NUMBERS OF ORGANIZED
FDP	5	NIL
SEMINAR	40	2
WORKSHOP	4	NIL

TRAITS:

- ❖ Self-confident person.
- ❖ Good team player.
- ❖ Honest, Sincere, and Hard Worker with a high level of Integrity.

LEADERSHIP QUALITY:

- ❖ Organizer for the AICTE-sponsored program conducted inside the college.
- ❖ Arranged Industrial Visit as a part of my department.
- ❖ Organizer for various department functions.
- ❖ Organizing committee member for PSNA startup hackathon by PSNA startup cell.

MEMBERSHIP IN PROFESSIONAL BODIES:

- ❖ Life member in ISTE.

PERSONAL DETAILS:

Father Name	:	N. Ramachandran.
Birth date	:	07.04.1985.
Address	:	12/1A, Ahimsapuram 2nd Street Visalam,
		Seller,
		Madurai – 625002.
Nationality	:	Indian.
Language Known	:	Tamil, English.

DECLARATION:

I hereby declare that all the particulars furnished here are true to the best of my knowledge and beliefs.

Place: Madurai
Date:

(Dr.R.RAGUMADHAVAN)